

**IN THE ABSTRACT**

A new Abstract is submitted on a separate sheet.

--ABSTRACT OF THE DISCLOSURE

A system for supervising the speed of at least one engine of an aircraft includes three independent information sources determining first, second and third values for an aerodynamic parameter of the aircraft and precision information indicating the precision of these values. A control unit acts on the operation of the engine, and a sensor measures a fourth value for the parameter. An arithmetic unit selects a control value by using the first, second, third and fourth values of the aerodynamic parameter and the precision information and uses the control value to determine a control sequence for the control unit. An information transmission network, to which the three independent information sources and the arithmetic unit are connected, permits a transmission of information between the sources of information and the arithmetic unit. --